

AMENDMENT TO THE CLAIMS

1 (Cancelled)

2.(Currently Amended) The vaporization system of claim 422 wherein the at least one source providing a plurality of different gas or liquid comprises a source of gas connected to the gas flow inlet of the atomizer, and havingincludes a plurality of different types of gas selectively introduceable into the inlet.

3.(Currently Amended) The vaporization system of claim 422 wherein the at least one source comprising a plurality of different gas or liquid material is the source of liquid, and a plurality of different liquids selectively introduceable into the atomizer.

4.(Currently Amended) The vaporization system of claim 422 wherein the atomizer has a plurality of passageways defined therein, the at least one source comprising the first source andhaving a plurality of gas or liquid comprisingcomprises a plurality of gas sources, and each gas source connected to a separate passageway, and wherein the second source is a source of liquid and comprises a plurality of different types of liquid, each source of the different types of liquid being connected to a selected one of the passageways of the atomizer.

5.(Currently Amended) The vaporization system of claim 422 wherein each of the first and second sources has a flow controller between the source and the atomizer.

6.(Currently Amended) The vaporization system of claim 422, wherein both of the first and second sources comprise a plurality of gas or liquid materials from the respective sources.

7.(Cancelled)

8.(Cancelled)

9.(Cancelled)

10.(Cancelled)

11.(Cancelled)

12.(Currently Amended) The vaporization system of claim 4022, wherein ~~the vaporization chamber has an outlet, and wherein~~ a process chamber for vapor deposition and film formation is combined with the vaporization chamber, the outlet of the ~~vaporization chamber~~^{process chamber} being connected to an inlet of the process chamber.

13.(Cancelled)

14.(Cancelled)

15.(Cancelled)

16.(Cancelled)

17.(Cancelled)

18.(Cancelled)

19.(Cancelled)

20.(Cancelled)

21.(Cancelled)

22.(Currently Amended) A vaporization system for vaporizing material carried in a gas stream, including a vaporization chamber receiving an aerosol from an atomizer, the aerosol comprising gas and liquid droplets from first and second respective gas ~~or~~and liquid sources, at least one of the sources comprising a plurality of different individually selectable materials, said vaporization chamber including a housing defining the vaporization chamber having an inlet and an outlet, a heated surface member comprising a first metal block having a plurality of passageways therethrough providing heated surfaces, a bore through the first metal block aligned with the inlet through which the aerosol is discharged into the vaporization chamber, and an orifice in the first metal block directly aligned with the inlet, said orifice forming an opening leading to the bore in the first metal block, the aerosol droplets being vaporized by the heated surfaces of the metal block.

23.(Previously Presented) The vaporization system of claim 22, wherein the orifice is no greater in size than substantially the same size as the bore.

24.(Previously Presented) The vaporization system of claim 23 wherein the aerosol forms a gas jet through the inlet.

25.(Previously Presented) The vaporization system of claim 24 wherein the orifice comprises a mixing orifice, and the velocity of the gas jet causes a recirculation from an output side of the bore of the first metal block through the plurality of passageways in the first metal block back toward the inlet for mixing with the aerosol as the aerosol passes through the mixing orifice.

26. (Currently Amended) The vaporization system of claim 22 wherein there is a second metal block in the interior vaporization chamber having a plurality of passageways therethrough, the second metal block being spaced from the first metal block and positioned between the first metal block and the outlet of the ~~vaporizer~~housing.

27.(Previously Presented) The vaporization system of claim 26 wherein the second metal block has an imperforate surface aligned with the bore in the first metal block to divert gas striking the imperforate surface laterally outwardly toward the passageways in the second metal block.